

**RECOVERY ACT
ZORTMAN/LANDUSKY MINE
REQUEST FOR QUOTATION - PLUMBING
SUPPLIES FOR LANDUSKY
BIOLOGICAL TREATMENT PLANT PONDS**

**REQUESTED BY:
WILLIAM C. MAEHL, P.E.
SPECTRUM ENGINEERING, INC.
1413 4TH AVENUE NORTH
BILLINGS, MONTANA 59101**

**REQUESTED ON BEHALF OF:
MONTANA DEPARTMENT OF
ENVIRONMENTAL QUALITY**

DATED: SEPTEMBER 7, 2010

QUOTATION DUE DATE: SEPTEMBER 23, 2010



RECOVERY ACT - ZORTMAN/LANDUSKY MINE REQUEST FOR PLUMBING SUPPLIES

The Montana Department of Environmental Quality (DEQ) jointly oversees reclamation of the Zortman and Landusky mines in co-operation with the USDI Bureau of Land Management (BLM) via a Memorandum of Understanding dated August 2, 2004. The BLM has secured funding for the Zortman/Landusky site through the American Recovery and Reinvestment Act of 2009. The economic stimulus money is being managed by the DEQ through their contract with Spectrum Engineering, Inc. in Billings, Montana.

Equivalent materials may be proposed. However, any variance from the above stated specifications must be accompanied by a thorough written explanation providing sufficient information on which to base a "best-value" evaluation.

Under this stimulus, three 10.9 million-gallon settling ponds are currently being constructed on top of the L87 and L91 Leach Pads (heaps) at the Landusky site. Excavation and lining of the first pond is expected to be completed in September. The ponds will be configured to function in stages with a 2-foot elevation drop being provided between the top elevations of each subsequent pond. A working apron will be provided around each pond to provide room for access and the installation of equipment. When put into operation, acidic water (pH 2-4) with high aluminum, iron and sulfate content will be pumped from the leach pads to a lime treatment facility and then into the ponds. Neutralization of the mine-processing contaminated water will cause a portion of the mineral content to precipitate into the ponds where it will be deposited primarily as gypsum on the pond liners. These sludge deposits will be periodically removed from the ponds and consolidated in sludge pits.

Spectrum Engineering is soliciting firm quotations for the plumbing supplies necessary to assemble the water and sludge conveyance systems that will be used to operate these ponds. To some degree, systems that are already in place will be modified and integrated into the new systems. In addition, the site has some of the required materials in its warehouse. However, it is our intention to purchase the remainder of the required plumbing supplies from a single vendor under this request for quotation. The parts and materials bid schedule with specification is attached. All furnished parts and materials will be new.

- All flanges will be 150# Raised Face flange on valves and HDPE backup rings; except for those flanges associated with Bid Item 23 - 4 inch stainless gate valves - approx. 300 psi, which must be matched to fit with this specialty valve.
- Valves will be knife type valve capable of 150 psi unless otherwise specified. Stainless steel valve seat and face are recommended. The knife valves should have a replaceable seal, seat and knife. Valves will be hand wheel operated with rising shaft. Valves must have replaceable gasket or seal for knife mechanism to allow serviceability and ensure minimum spillage in the event of a seal failure or leak. Valves must have maximum resistance to heavy use, viscous materials, acidic water and repeated exposure to freezing conditions. Durability and serviceability will be the key factors for valve selection. Vendors are encouraged to provide alternative to the above specified knife valves in both stainless and standard steel. Resistance to freezing conditions will be the determining factor and valves should be resistant to freezing in the open and closed position. Valves must be gate

style only and ball or butterfly valves are not acceptable for this application. The system will have applications where stainless steel or equivalent is required and also applications that will permit the use of standard steel valves. Bid Item 23 - 4 inch stainless gate valves - approx. 300 psi is a specialty valve. Vendors may offer alternative choices.

- All pipe will be HDPE - SDR 11 or 13.5.
- Pipe fittings must be compatible with the supplied HDPE pipe and be capable of 160 psi.

Due to project funding limitations, as well as other considerations, Spectrum Engineering Inc. reserves the right to delete any item on the parts and materials bid schedule or to reduce any listed quantity. If such change or changes are necessary, Vendor shall agree to adjust the contract price to reflect the actual delivered quantities at the quoted bid price per item.

Date Advertised: September 7, 2010

Closing Date: September 23, 2010 at 2:00 PM MST (RFQ responses may be mailed to the address listed below, emailed, or hand delivered)

Award Basis: Best Value for the State of Montana DEQ

Award Date: September 23, 2010

Delivery Date: 10 calendar days from date of notice of award

Terms: Materials delivered FOB to the Landusky site with billing adjusted to reflect actual quantities delivered at the quoted bid price per specified item. All price quotes shall be honored for 30 days following the Closing Date of this RFQ.

Engineering Mgr: Bill Maehl

Telephone: 406-259-2412 ext. 3

Email Address: maehl@spectrum-eng.com

Mailing Address: Spectrum Engineering, 1413 4th Avenue North, Billings, MT 59101

Agency: Montana DEQ

Project Mgr: Wayne Jepson

Telephone: 406-444-0529

Questions: Bidders will be allowed a period of 10 days from September 7 to September 16, 2010 in which to submit questions via e-mail or by mail. Spectrum will provide responses to all questions by September 20, 2010. However, Spectrum shall reserve the sole right to determine the adequacy of any response and to decline to answer any question. Spectrum will distribute copies of all questions and responses to all bidders via email.

- Deliverables: See attached parts and materials bid schedule. Equipment is available at the Landusky site to assist with unloading and storage.
- Cost Proposal Fill out and submit price quotes on the attached Parts And Materials Bid Schedule. The bid schedule includes a separate lump sum price of delivery. Providing separate item price quotes for each item listed on the attached parts and materials bid schedule is required. Supply percentage of USA materials for each item and indicate whether or not product is made in USA on the bid schedule. Manufacturer and complete product specifications (cut sheet for all bid items) shall be supplied as attachments to the proposal. Alternatives with supporting documentation can be bid on a separated bid schedule.
- Proposal Evaluation: Name, address, contact information
Manufacturers of all parts and materials
Product specifications
Warranties
Price
Indicate the percentage of USA materials used (preference given to the highest percentage of USA materials.)
Spectrum Engineering reserves the right to select the Proposal which, in their opinion, offers the Best Value to the State of Montana.
- Payment Terms: Successful bidder shall supply written invoice(s) with each delivery. Payment shall be made by Spectrum Engineering within 30 days of the date of the invoice.
- Attachments:
1. General Location Map
2. Parts and Materials Bid Schedule

**RECOVERY ACT - ZORTMAN/LANDUSKY MINE
REQUEST FOR PLUMBING SUPPLIES
PARTS AND MATERIALS BID SCHEDULE**

Bid Item	Name and Type	Made in USA %	USA Materials Yes/No	Unit	Estimated Quantity	Unit Price	Total Price
8 Inch - Pipe and Parts							
1	8 Inch SDR 13.5 Pipe			Feet	1125		\$
2	8 inch T - SDR 11			Each	4		\$
3	8x6 bell reducer SDR 11			Each	6		\$
4	45 Degree SDR 11 Elbow			Each	6		\$
5	8 inch SDR 11 Flange adapter			Each	10		\$
6	Flange Adapter - 8 bolt flange backup ring - iron			Each	10		\$
7	8 Inch - 8 bolt rubber gaskets - rubber			Each	20		\$
6 Inch - Pipe and Parts							
8	6 Inch SDR 13.5			Feet	13500		\$
9	6 x 6 x 6 - T - SDR 11			Each	8		\$
10	True Y - SDR 11			Each	6		\$
11	Smooth flow Bend 90 Degree Elbow - SDR 11			Each	7		\$
12	45 Degree Elbow - SDR 11			Each	6		\$
13	6 inch SDR 11 Flange adapter			Each	120		\$
14	Flange Adapter - 8 bolt flange backup ring - iron			Each	120		\$
15	Valves - Knife Valves - Steel - Hand wheel - rising stem - bonnet or enclosed knife type			Each	26		\$
16	Valves - Knife Valves - Stainless Steel - Hand wheel - rising stem - bonnet or enclosed knife type			Each	8		\$
17	6 x 6 x 3 - T - SDR 11			Each	10		\$
18	6 Inch - 8 bolt gaskets - rubber			Each	50		\$
19	6 x 6 x 6 x 6 Cross SDR 11 - 160 psi			Each	3		\$
4 Inch - Pipe and Parts							
20	4 x 6 Bell reducer			Each	4		\$
21	4 inch Flange adapter (matched for Item 23)			Each	4		\$
22	Flange Adapter-backup ring (matched for Item 23)			Each	4		\$
23	4 inch stainless gate valves - approx. 300 psi			Each	2		\$
24	4 inch - gaskets - rubber (matched for Item 23)			Each	10		\$
3 Inch - Pipe and Parts							
25	3 Inch SDR 11			Feet	2825		\$
26	3 inch SDR 11 Flange adapter			Each	40		\$
27	Flange Adapter - 4 bolt flange backup ring - iron			Each	40		\$
28	Valves - Knife Valves - Steel - Hand wheel - rising stem - bonnet or enclosed knife type			Each	15		\$
29	Smooth Flow Bend 90 Degree Elbow - SDR 11			Each	2		\$
30	45 Degree Elbow - SDR 11			Each	2		\$
Nuts -Bolts							
31	3/4 inch x 6 Inch stainless studs			Each	1200		\$
32	3/4 inch x 7 Inch stainless studs			Each	50		\$
33	3/4 inch x 8 Inch stainless studs			Each	150		\$
34	3/4 stainless nuts			Each	2500		\$
35	3/4 inch x 2-3/4 Inch stainless cap screws			Each	220		\$
36	5/8 inch x 5 Inch grade 5 studs			Each	200		\$
37	5/8 inch x 6 Inch grade 5 studs			Each	50		\$
38	5/8 inch x 8 Inch grade 5 studs			Each	50		\$
39	5/8 stainless nuts			Each	600		\$
40	5/8 stainless washers			Each	600		\$
41	5/8 inch x 2-1/4 Inch stainless cap screws			Each	80		\$
42	Delivery Charge			Lump sum			\$

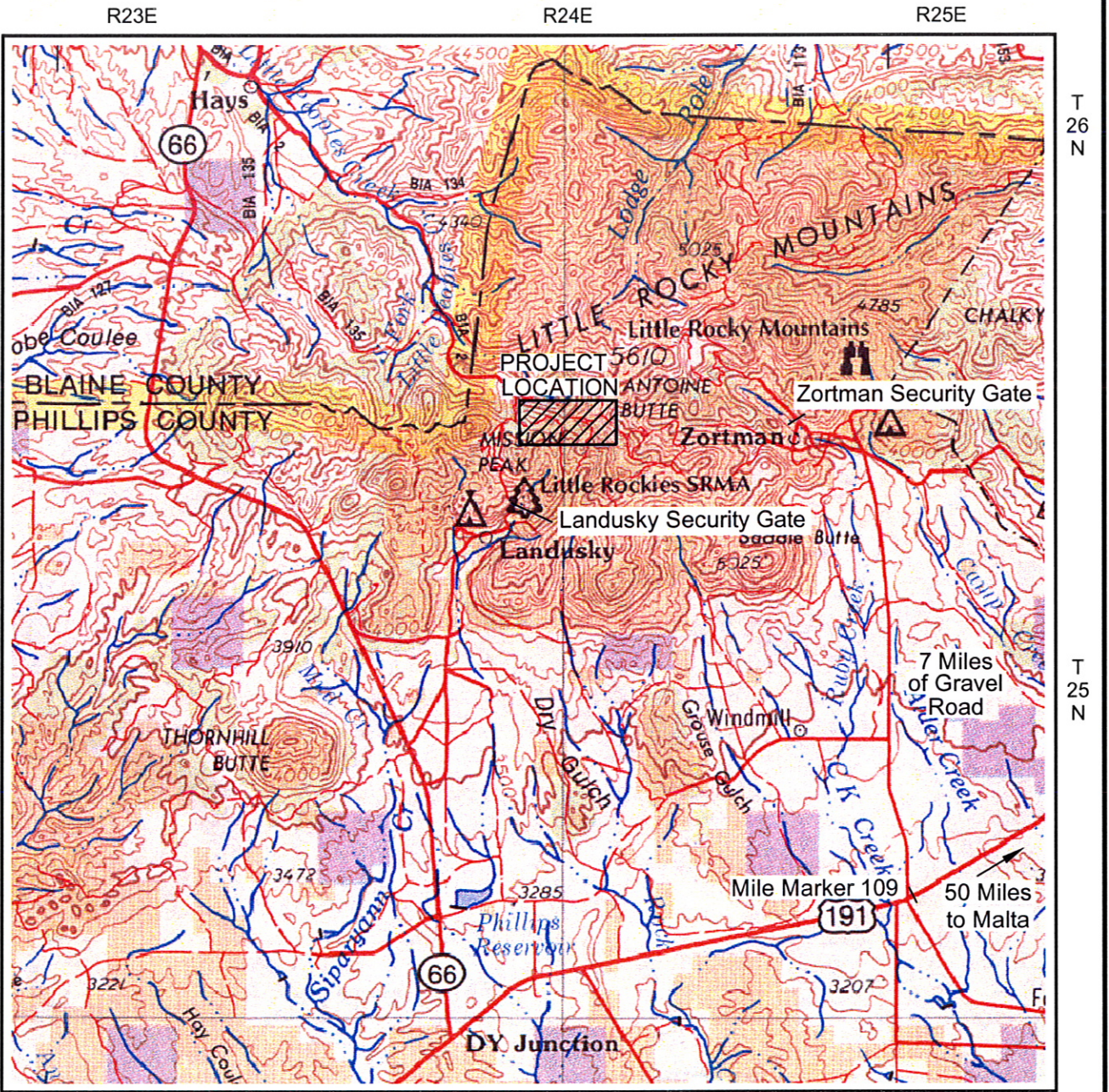
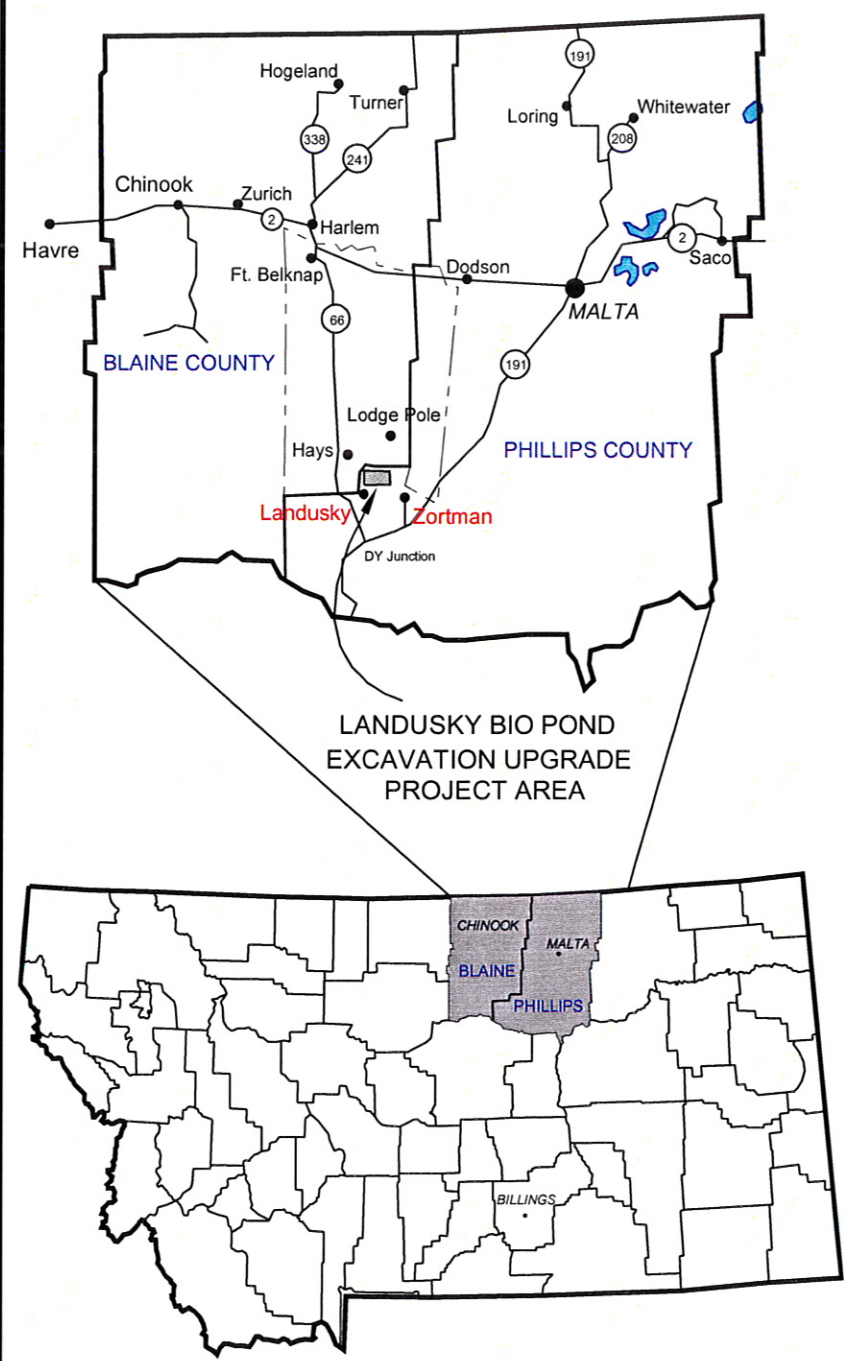
TOTAL BID PRICE

\$

COMPANY

AUTHORIZED SIGNATURE

LANDUSKY MINE
LANDUSKY BIOLOGICAL TREATMENT PLANT PONDS
Phillips County, Montana



STATE OF MONTANA

REVISIONS			SPECTRUM ENGINEERING 1413 4th Ave. North Billings, MT 59101 Phone: (406) 259-2412 April 2010	Project on Behalf of: MT Department of Environmental Quality	Sec 14 of T25N, R24E - Phillips County, MT
NO.	DESCRIPTION	DATE			GENERAL LOCATION MAP